

# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Categories**

### **1. Emergency and Standby Power Systems (EMER-STBY-PWR)**

- [Automatic Transfer Switches](#) (ATS)
- [Manual Transfer Switches](#) (MTS)
- [Emissions After-Treatments](#) (EMISS-AFT-TRMT)
- [Fuel Tanks](#) (FUEL-TNK)
- [Generators](#) (GEN)
- [Generator Control Panels](#) (GEN-CTRL-PNL)
- [Paralleling Switchgear Controls](#) (PARA-SWG)
- [Remote Radiators](#) (RMT-RAD)

### **2. Elevator Equipment (ELEV)**

- [Elevator Control Panels](#) (CTRL-PNL)
- [Elevator Controllers](#) (CTRLRS)

### **3. Components with Hazardous Content (Haz)**

### **4. Exhaust/Smoke Control Fans (EXSMOK-FAN)**

### **5. Switchgear/Switchboards (SWG-SWB)**

- [Switchgear - Low Voltage](#) (LV)
- [Switchgear - Medium Voltage](#) (MV)
- [Switchboards](#) (SWB)

### **6. Motor Control Centers (MTR-CTRL-CTR)**

- [Motor Control Centers - Low Voltage](#) (LV)
- [Motor Control Centers - Medium Voltage](#) (MV)

### **7. Fluoroscopy and Radiography Systems (FLUOR-RAD)**

### **8. CT Systems (CT)**

### **9. Air Conditioning Units (ACU)**

- [Air Conditioning Units - Custom](#) (CUST)
- [Air Conditioning Units - Data Room](#) (DATA-AC)
- [Air Conditioning Units - Inline Fan and Terminal](#) (NLNFANS-TERM-AC)
- [Air Conditioning Units - Packaged](#) (PKG)
- [Air Conditioning Units - Split](#) (SPLIT)
- [Air Filters](#) (FILTERS)
- [Fan Coil Units](#) (FAN-COIL)
- [Humidification Systems](#) (HUMID)
- [Variable Air Volume Units](#) (VAV)

### **10. Air Handling Units (AHU)**

- [Fans](#) (FANS)

### **11. Chillers (CHILLER)**

- [Chillers - Absorption](#) (ABSRB)
- [Chillers - Air Cooled](#) (AIR)
- [Chillers - CT Scanners](#) (CT-SCNR)
- [Chillers - Water Cooled](#) (WTR)
- [Condensers](#) (CONDEN)
- [Heat Exchangers](#) (HEAT-EXCH)

### **12. Cooling Towers (COOL-TWR)**

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## **Categories ~ cont'd**

### **13. Transformers (TRNSFMR)**

- [Transformers - Dry Type](#) (DRY)
- [Transformers - Liquid Filled](#) (LIQ)

### **14. Electrical Substations (ELEC-SUBSTN)**

### **15. UPS and Batteries (UPS-BATT)**

- [Batteries](#) (BATT)
- [Battery Chargers](#) (BATT-CHRG)
- [Flywheel Energy Storage Systems](#) (FLYWHL-ENGY)
- [Lighting Inverter Systems](#) (LGHT-INVTR)
- [UPS](#) (UPS)

### **16. Panelboards (PNLBRD)**

- [Panelboards](#) (ELEC)
- [Power Distribution Units](#) (PDU)

### **17. Industrial Control Panels (INDUS-CNTRL-PNL)**

- [Boiler Control Panels](#) (BOILER)
- [Building Automation and Security Systems](#) (BLD-AUTO-SECUR)
- [Fuel Systems Control Panels](#) (FUEL)
- [HVAC Control Panels](#) (HVAC)
- [Pump Control Panels](#) (PUMP)
- [Variable Frequency Drives and Starters](#) (VFD-STRS)

### **18. Power Isolation and Correction Systems (PWR-ISO-CORRECT)**

- [Grounding Systems](#) (GRND)
- [Power Isolation and Correction Systems](#) (ISO-CORR)

### **19. Motorized Surgical Lighting Systems (SURGL-LGHT)**

### **20. Motorized Operating Table Systems (OPER-TBL)**

### **21. Internal Communication Servers and Routers (INT-COM-SRVR-RTR)**

- [Servers & Routers](#) (SRVR-RTR)
- [Wireless Communication Systems](#) (WRLSS-COMM)

### **22. Medical Gas and Vacuum Systems (MED-GAS-VAC)**

- [Medical Air and Vacuum Systems](#) (MED-AIR-VAC)
- [Medical Gas Systems](#) (MED-GAS)

### **23. Electrical Busways (ELEC-BUSWY)**

### **24. Electrical Control Panels on Life Safety/Critical Branch (CNTRL-PNL-LIFE-CRIT)**

- [Fire Alarm & Security Panels](#) (FIRE-ALM-SECUR)
- [Fire Protection & Security Panels](#) (FIRE-PROTEC-SECUR)
- [Lighting Control Panels](#) (LGHT)
- [Medical System Control Panels](#) (MED)
- [Nurse Call Stations](#) (NRS-CALL)

### **25. Other (OTHER)**

- [Biological Safety Cabinets](#) (BIO-SAFETY-CAB)
- [IV Fluid Warmers](#) (IV-FLD-WRMS)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **1. Emergency and Standby Power Systems**

### Automatic Transfer Switches:

- [OSP-0005: Russelectric](#)
- [OSP-0014: Eaton](#)
- [OSP-0029: Cummins](#)
- [OSP-0032: ASCO](#)
- [OSP-0035: ABB](#)
- [OSP-0096: Russelectric](#)
- [OSP-0114: Caterpillar](#) (*Expired after 12/31/2016*)
- [OSP-0172: Caterpillar](#)
- [OSP-0283: Cummins](#) (*Cancelled*)
- [OSP-0331: ABB](#)
- [OSP-0375: Cummins](#)
- [OSP-0466: On Power](#)
- [OSP-0514: Kohler](#)
- [OSP-0613: ABB](#)
- [OSP-0623: Cummins](#)
- [OSP-0626: Intelligent Power Solutions](#)
- [OSP-0655: Russelectric](#)
- [OSP-0682: Generac](#)
- [OSP-0714: Cummins Power Generation](#)

### Manual Transfer Switches:

- [OSP-0582: ESL Power Systems](#)

### Emissions After-Treatment:

- [OSP-0266: Caterpillar](#)
- [OSP-0267: Cummins](#) (*Cancelled*)
- [OSP-0539: Rypos](#)

### Fuel Tanks:

- [OSP-0126: Professional Power Products](#) (*Expired after 12/31/2016*)
- [OSP-0185: Global Power Components](#)
- [OSP-0187: Phoenix Power Products](#)
- [OSP-0254: Tramount](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Emergency and Standby Power Systems ~ cont'd**

### Generators:

- OSP-0028: Cummins (*Expired after 12/31/2016*)
- [OSP-0082: Kohler](#)
- OSP-0084: Caterpillar (*Expired after 12/31/2016*)
- [OSP-0117: MTU](#)
- OSP-0189: Kohler (*Expired after 12/31/2016*)
- OSP-0259: Peterson Power Systems (*Expired after 12/31/2016*)
- [OSP-0268: Cummins](#)
- [OSP-0282: Generac](#)
- [OSP-0303: Kohler](#)
- [OSP-0321: Caterpillar](#)
- OSP-0324: Caterpillar (*Expired after 12/31/2019*)
- OSP-0344: Generac (*Expired after 12/31/2019*)
- OSP-0371: Baldor (*Expired after 12/31/2019*)
- [OSP-0375: Cummins](#)
- [OSP-0412: Caterpillar](#)
- [OSP-0444: Cummins](#)
- [OSP-0449: MTU](#)
- [OSP-0450: MTU](#)
- [OSP-0451: MTU](#)
- [OSP-0464: Kohler](#)
- [OSP-0532: Kohler](#)
- [OSP-0543: Kohler](#)
- [OSP-0553: MTU](#)
- [OSP-0589: Kohler](#)
- [OSP-0594: Kohler](#)
- [OSP-0609: Cummins](#)
- [OSP-0612: Cummins](#)
- ~~OSP-0620: MTU (*In Review*)~~
- [OSP-0621: MTU](#)
- [OSP-0667: Kohler](#)
- ~~OSP-0671: Cummins (*In Review*)~~
- ~~OSP-0686: MTU (*In Review*)~~
- [OSP-0694: Enchanted Rock](#)

### Generator Control Panels:

- OSP-0165: Intelligent Switchgear Organization (*Expired after 12/31/2019*)
- OSP-0404: MTU (*Expired after 12/31/2019*)
- [OSP-0595: Cummins](#)
- [OSP-0685: MTU](#)
- [OSP-0697: Caterpillar](#)

### Paralleling Switchgear Controls:

- OSP-0030: Cummins (*Expired after 12/31/2016*)
- OSP-0036: GE Zenith Controls (*Expired after 12/31/2013*)
- [OSP-0120: Kohler](#)
- OSP-0313: ABB (*Expired after 12/31/2019*)
- [OSP-0446: Cummins](#)

### Remote Radiators:

- OSP-0129: YoungTouchtone (*Expired after 12/31/2016*)
- [OSP-0130: YoungTouchtone](#)
- [OSP-0152: IEA](#)
- [OSP-0192: IEA](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **2. Elevator Equipment**

Elevator Control Panels:

- [OSP-0011: Eaton](#)
- OSP-0240: Elevator Controls (*Expired after 12/31/2016*)
- [OSP-0419: Motion Control Engineering](#)
- [OSP-0586: Elevator Controls](#)
- [OSP-0650: ThyssenKrupp Manufacturing](#)
- [OSP-0695: Otis Elevator](#)

Elevator Controllers:

- [OSP-0092: Otis Elevator](#)
- OSP-0124: Computerized Elevator Control (*Expired after 12/31/2016*)
- OSP-0143: ThyssenKrupp Elevator (*Expired after 12/31/2016*)
- [OSP-0166: ThyssenKrupp Elevator](#)
- OSP-0175: Kone (*Expired after 12/31/2016*)
- [OSP-0209: ThyssenKrupp Elevator](#)
- [OSP-0245: Smartrise](#)
- OSP-0296: Schindler (*Expired after 12/31/2019*)
- [OSP-0359: Otis Elevator](#)
- [OSP-0401: Kone](#)
- [OSP-0402: Kone](#)
- [OSP-0437: Kone](#)
- [OSP-0559: Otis Elevator](#)
- [OSP-0646: Kone](#)
- [OSP-0704: Otis Elevator](#)

## **3. Components with Hazardous Content (Haz)**

## **4. Exhaust/Smoke Control Fans**

- [OSP-0033: Loren Cook](#)
- [OSP-0102: Loren Cook](#)
- [OSP-0148: Greenheck Fan](#)
- [OSP-0195: Twin City Fan](#)
- OSP-0223: Greenheck Fan (*Expired after 12/31/2016*)
- [OSP-0271: Twin City Fan](#)
- [OSP-0343: Enervex](#)
- [OSP-0360: ACME](#)
- [OSP-0395: Twin City Fan](#)
- OSP-0442: Loren Cook (*Expired after 12/31/2019*)

## **5. Switchgear/Switchboards**

Switchgear - Low Voltage:

- [OSP-0007: Schneider Electric Square D](#)
- [OSP-0018: Eaton](#)
- [OSP-0021: IEM](#)
- [OSP-0043: ABB](#)
- [OSP-0070: ASCO](#)
- OSP-0090: Siemens (*Expired after 12/31/2016*)
- OSP-0298: Russelectric (*Expired after 12/31/2019*)
- OSP-0408: Thomson (*Expired after 12/31/2019*)
- [OSP-0538: Siemens](#)
- [OSP-0611: Caterpillar](#)
- [OSP-0625: Siemens](#)
- —OSP-0636: Schneider Electric Square-D (*In Review*)
- —OSP-0693: ASCO (*In Review*)
- —OSP-0721: Anord Mardix (*In Review*)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Switchgear/Switchboards ~ cont'd**

### Switchgear - Medium Voltage:

- OSP-0019: Eaton (*Expired after 12/31/2019*)
- [OSP-0024: Russelectric](#)
- [OSP-0037: Square D](#)
- [OSP-0042: GE](#)
- [OSP-0046: Square D](#)
- [OSP-0053: Schneider Electric Square D](#)
- [OSP-0103: Powell Industries](#)
- OSP-0141: Siemens (*Expired after 12/31/2016*)
- OSP-0142: Siemens (*Cancelled*)
- [OSP-0157: G & W Electric](#)
- [OSP-0256: IEM](#)
- [OSP-0400: IEM](#)
- [OSP-0512: Siemens](#)
- [OSP-0540: Cummins](#)
- [OSP-0542: GE](#)
- [OSP-0560: Schneider Electric](#)
- ~~OSP-0591: SAI (*In Review*)~~
- [OSP-0658: Industrial Electric Manufacturing](#)
- ~~OSP-0663: Industrial Electric Manufacturing (*In Review*)~~
- [OSP-0690: Siemens](#)

### Switchboards:

- [OSP-0010: Eaton](#)
- [OSP-0012: Eaton](#)
- [OSP-0015: Eaton](#)
- [OSP-0022: Schneider Electric Square D](#)
- OSP-0038: Square D (*Expired after 12/31/2013*)
- OSP-0044: GE (*Expired after 12/31/2019*)
- [OSP-0047: Schneider Electric Square D](#)
- OSP-0060: Siemens (*Expired after 12/31/2013*)
- [OSP-0089: Siemens](#)
- [OSP-0308: Z Power](#)
- [OSP-0309: ABB](#)
- [OSP-0320: GE](#)
- [OSP-0431: Eaton](#)
- [OSP-0649: Siemens](#)

## **6. Motor Control Centers**

### Motor Control Centers - Low Voltage:

- OSP-0006: Eaton (*Expired after 12/31/2019*)
- OSP-0052: Square D (*Expired after 12/31/2019*)
- [OSP-0074: Siemens](#)
- [OSP-0093: GE](#)

### Motor Control Centers - Medium Voltage:

- OSP-0106: GE (*Expired after 12/31/2016*)
- OSP-0151: Eaton (*Expired after 12/31/2019*)
- [OSP-0178: Eaton](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **7. Fluoroscopy and Radiography Systems**

- OSP-0051: GE Medical Systems (*Expired after 12/31/2016*)
- OSP-0061: Philips Healthcare (*Expired after 12/31/2019*)
- OSP-0062: Siemens Medical Solutions (*Expired after 12/31/2013*)
- **OSP-0081: Toshiba Medical Systems**
- OSP-0086: Siemens Medical Solutions (*Expired after 12/31/2016*)
- OSP-0133: Toshiba Medical Systems (*Expired after 12/31/2016*)
- OSP-0253: Philips Healthcare (*Expired after 12/31/2016*)
- OSP-0278: Quantum (*Expired after 12/31/2016*)
- **OSP-0280: Siemens**
- OSP-0281: Toshiba (*Expired after 12/31/2016*)
- OSP-0311: Philips Healthcare (*Expired after 12/31/2019*)
- **OSP-0319: Shimadzu**
- **OSP-0409: Siemens**
- **OSP-0479: GE**
- **OSP-0484: Samsung**
- **OSP-0493: Siemens**
- **OSP-0497: Carestream**
- **OSP-0506: Carestream**
- **OSP-0511: Siemens**
- **OSP-0518: Siemens**
- **OSP-0520: Phillips**
- **OSP-0521: Phillips**
- **OSP-0526: AGFA**
- **OSP-0527: AGFA**
- **OSP-0530: GE**
- **OSP-0545: Siemens**
- **OSP-0551: Siemens**
- **OSP-0568: Fujifilm Medical**
- **OSP-0573: Philips**
- **OSP-0576: Konica Minolta**
- **OSP-0614: Philips**
- **OSP-0668: GE**
- **OSP-0675: Carestream Health**
- **OSP-0681: Philips**
- **OSP-0702: Philips (In Review)**
- **OSP-0703: Carestream Healthcare, Inc.**
- **OSP-0710: General Medical Merate**
- **OSP-0712: Siemens**
- **OSP-0716: Siemens**

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# HCAI Special Seismic Certification Preapproval (OSP) by Category

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## 8. CT Systems

- OSP-0085: GE Healthcare (*Expired after 12/31/2013; replaced by other OSP's*)
- OSP-0100: Siemens Medical Solutions (*Expired after 12/31/2016*)
- OSP-0149: Philips Healthcare – CT & SPECT (*Expired after 12/31/2016*)
- [OSP-0174: Canon](#)
- OSP-0212: Siemens Medical Solutions (*Expired after 12/31/2016*)
- [OSP-0239: GE](#)
- [OSP-0330: GE Healthcare](#)
- [OSP-0335: GE](#)
- [OSP-0354: GE](#)
- OSP-0357: Hitachi (*Expired after 12/31/2019*)
- OSP-0358: Siemens (*Expired after 12/31/2019*)
- [OSP-0390: Siemens](#)
- [OSP-0394: GE Healthcare](#)
- [OSP-0397: GE Healthcare](#)
- [OSP-0407: Philips Healthcare](#)
- [OSP-0421: Siemens](#)
- [OSP-0423: GE Healthcare](#)
- [OSP-0432: Siemens](#)
- [OSP-0439: Siemens](#)
- OSP-0445: Siemens (*Expired after 12/31/2019*)
- [OSP-0463: Philips Healthcare](#)
- [OSP-0469: Philips Healthcare](#)
- [OSP-0472: Philips Healthcare](#)
- [OSP-0474: Siemens](#)
- [OSP-0509: Siemens](#)
- [OSP-0510: Siemens](#)
- [OSP-0522: Phillips](#)
- [OSP-0544: Siemens](#)
- [OSP-0564: Siemens](#)
- [OSP-0585: Siemens](#)
- [OSP-0616: GE Healthcare](#)
- [OSP-0622: Philips](#)
- [OSP-0628: GE Healthcare](#)
- [OSP-0630: Canon](#)
- [OSP-0631: Canon](#)
- [OSP-0632: Canon](#)
- ~~OSP-0654: Shanghai United Imaging Healthcare (*In Review*)~~
- [OSP-0657: Philips Healthcare](#)
- [OSP-0664: Siemens](#)
- [OSP-0678: Canon](#)
- [OSP-0679: Siemens](#)
- [OSP-0680: GE Healthcare](#)
- ~~OSP-0691: Siemens (*In Review*)~~
- [OSP-0696: Fujifilm Healthcare](#)
- [OSP-0711: Siemens](#)
- ~~OSP-0723: Siemens (*In Review*)~~

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **9. Air Conditioning Units**

### Air Conditioning Units - Custom:

- OSP-0063: ClimateCraft *(Expired after 12/31/2019)*
- [OSP-0069: Energy Labs](#)
- [OSP-0075: Nortek Air Solutions](#)
- OSP-0076: TMI *(Cancelled)*
- OSP-0079: Temtrol *(Expired after 12/31/2016)*
- OSP-0080: Governair *(Expired after 12/31/2016)*
- [OSP-0118: Alliance](#)
- [OSP-0242: Trane](#)
- [OSP-0243: Johnson Controls](#)
- OSP-0248: Scott Springfield *(Expired after 12/31/2019)*
- [OSP-0301: Haakon](#)
- [OSP-0326: United Metal Products](#)
- OSP-0392: Innovent *(Expired after 12/31/2019)*
- [OSP-0460: Halton](#)
- [OSP-0533: Carrier](#)
- [OSP-0546: Johnson Controls](#)
- [OSP-0567: Nortek Air Solutions](#)

### Air Conditioning Units - Data Room:

- [OSP-0049: Vertiv](#)
- [OSP-0230: Stulz](#)
- [OSP-0237: APC](#)
- [OSP-0270: Vertiv](#)
- [OSP-0299: Data-Aire](#)
- [OSP-0366: Vertiv](#)
- [OSP-0381: Vertiv](#)
- OSP-0468: Emerson Network Power *(Cancelled)*

### Air Conditioning Units - Inline Fans and Terminal:

- [OSP-0113: Greenheck Fan](#)
- [OSP-0122: Loren Cook](#)
- OSP-0123: Trane *(Expired after 12/31/2016)*
- [OSP-0219: Loren Cook](#)
- [OSP-0302: Price](#)
- [OSP-0352: Titus](#)
- [OSP-0382: Trane](#)
- [OSP-0385: Johnson Controls](#)
- OSP-0413: Tuttle & Bailey *(Expired after 12/31/2019)*
- OSP-0414: Krueger *(Expired after 12/31/2019)*
- [OSP-0452: Siemens](#)
- [OSP-0502: Greenheck Fan](#)
- [OSP-0503: Greenheck Fan](#)
- OSP-0561: Nailor *(In Review)*
- [OSP-0634: Enviroco](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Air Conditioning Units ~ cont'd**

### Air Conditioning Units - Packaged:

- OSP-0027: Carrier (*Expired after 12/31/2012*)
- OSP-0050: Trane (*Expired after 12/31/2016*)
- OSP-0147: Johnson Controls (*Expired after 12/31/2019*)
- OSP-0153: Carrier (*Expired after 12/31/2016*)
- [OSP-0180: AAON](#)
- OSP-0203: Trane (*Expired after 12/31/2016*)
- [OSP-0213: Johnson Controls](#)
- OSP-0232: Cascade Air Systems (*Expired after 12/31/2016*)
- [OSP-0238: Trane](#)
- [OSP-0249: Johnson Controls](#)
- [OSP-0255: Johnson Controls](#)
- OSP-0277: Trane (*Expired after 12/31/2019*)
- [OSP-0325: Daikin Applied](#)
- OSP-0353: Seeley (*Expired after 12/31/2019*)
- OSP-0376: Trane (*Expired after 12/31/2019*)
- [OSP-0494: Carrier](#)
- [OSP-0535: Johnson Controls](#)
- [OSP-0596: Lennox](#)
- [OSP-0599: Daikin](#)
- OSP-0648: AAON (*Cancelled*)
- [OSP-0666: Rheem](#)

### Air Conditioning Units - Split:

- [OSP-0108: Mitsubishi](#)
- [OSP-0125: Carrier](#)
- [OSP-0297: Daikin](#)
- OSP-0323: Trane (*Expired after 12/31/2019*)
- [OSP-0347: Trane](#)
- OSP-0372: Daikin (*Expired after 12/31/2019*)
- OSP-0386: LG (*Expired after 12/31/2019*)
- [OSP-0537: Mitsubishi](#)
- [OSP-0547: LG Electronics](#)
- ~~OSP-0554: Johnson Controls (*In Review*)~~
- [OSP-0562: Samsung](#)
- [OSP-0566: Vertiv](#)
- [OSP-0587: Johnson Controls](#)

### Air Filters:

- [OSP-0269: Dynamic](#)
- [OSP-0307: Genesis Air](#)
- [OSP-0490: American Green Technologies](#)
- [OSP-0558: Global Plasma Solutions](#)
- [OSP-0607: Johnson Controls](#)
- [OSP-0627: Price Industries Ltd](#)

### Fan Coil Units:

- [OSP-0105: Greenheck Fan](#)
- OSP-0211: IEC (*Expired after 12/31/2016*)
- OSP-0227: Xpediair (*Expired after 12/31/2016*)
- OSP-0229: Carrier (*Expired after 12/31/2016*)
- [OSP-0378: Price](#)
- [OSP-0388: Johnson Controls](#)
- [OSP-0475: Krueger](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Air Conditioning Units ~ cont'd**

### Humidification Systems:

- [OSP-0216: Dri-Steem](#)
- [OSP-0225: Condair](#)
- [OSP-0477: Armstrong](#)
- [OSP-0531: Neptronic](#)
- OSP-0651: DriSteem (*Cancelled*)
- ~~OSP-0705: Carel USA~~ (*In Review*)

### Variable Air Volume Units:

- [OSP-0290: Phoenix Controls](#)
- [OSP-0379: Johnson Controls](#)
- [OSP-0387: Johnson Controls](#)
- [OSP-0593: Siemens](#)
- ~~OSP-0662: Johnson Controls~~ (*In Review*)

## **10. Air Handling Units**

### Fans:

- [OSP-0272: ClimateCraft](#)
- [OSP-0355: Twin City Fan](#)
- [OSP-0356: Greenheck](#)
- [OSP-0416: Nortek Air Solutions](#)

## **11. Chillers**

### Chillers - Absorption:

- OSP-0373: BasX (*Expired after 12/31/2019*)
- [OSP-0478: Sigler](#)
- [OSP-0513: Broad USA](#)

### Chillers - Air Cooled:

- [OSP-0128: Trane](#)
- OSP-0135: Carrier (*Expired after 12/31/2016*)
- [OSP-0169: Dimplex](#)
- [OSP-0170: KKT Chillers](#)
- [OSP-0173: Johnson Thermal Systems](#)
- [OSP-0184: Carrier](#)
- [OSP-0260: Drake Refrigeration](#)
- [OSP-0279: Haskris](#)
- [OSP-0317: Johnson Controls](#)
- [OSP-0327: Multistack](#)
- [OSP-0367: Trane](#)
- [OSP-0369: Filtrine](#)
- [OSP-0374: Johnson Controls](#)
- [OSP-0383: Carrier](#)
- [OSP-0391: Daikin](#)
- OSP-0417: Trane (*Expired after 12/31/2019*)
- OSP-0541: Trane (*Cancelled*)
- [OSP-0580: Advanced Cooling Technologies](#)
- ~~OSP-0624: Multistack~~ (*In Review*)
- [OSP-0673: Haskris Company](#)

### Chillers - CT Scanner:

- [OSP-0461: Siemens](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Chillers ~ cont'd**

### Chillers - Water Cooled:

- OSP-0026: Carrier (*Expired after 12/31/2019*)
- OSP-0034: Carrier (*Expired after 12/31/2012*)
- [OSP-0045: Johnson Controls](#)
- [OSP-0048: Climacool](#)
- [OSP-0116: McQuay](#)
- [OSP-0150: Multistack](#)
- [OSP-0159: Johnson Controls](#)
- [OSP-0161: Carrier](#)
- [OSP-0167: Smardt](#)
- [OSP-0168: Trane](#)
- [OSP-0188: Trane](#)
- OSP-0190: Trane (*Expired after 12/31/2016*)
- [OSP-0204: Multistack](#)
- OSP-0205: Trane (*Expired after 12/31/2016*)
- [OSP-0250: Johnson Controls](#)
- OSP-0364: Tecogen (*Expired after 12/31/2019*)
- OSP-0398: KKT Chillers (*Expired after 12/31/2019*)
- [OSP-0406: Carrier](#)
- [OSP-0489: Thermo Fisher Scientific](#)
- [OSP-0515: KKT Chillers](#)
- [OSP-0548: Trane](#)
- [OSP-0549: KKT Chillers](#)
- [OSP-0581: Trane](#)
- [OSP-0601: Daikin](#)
- [OSP-0610: Trane](#)

### Condensers:

- [OSP-0181: AAON](#)
- [OSP-0182: Vertiv](#)

### Heat Exchangers:

- OSP-0244: Ameridex (*Expired after 12/31/2016*)

## **12. Cooling Towers**

- [OSP-0001: Baltimore Aircoil](#)
- OSP-0002: Baltimore Aircoil (*Expired after 12/31/2012*)
- OSP-0111: Evapco (*Expired after 12/31/2016*)
- [OSP-0171: SPX Marley](#)
- OSP-0224: Baltimore Aircoil (*Expired after 12/31/2019*)
- [OSP-0289: Tower Tech](#)
- [OSP-0368: Baltimore Aircoil](#)
- [OSP-0384: Baltimore Aircoil](#)
- [OSP-0473: Baltimore Aircoil](#)
- [OSP-0481: Evapco](#)
- [OSP-0488: Evapco](#)
- [OSP-0618: Baltimore Aircoil](#)

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# HCAI Special Seismic Certification Preapproval (OSP) by Category

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## 13. Transformers

Transformers - Dry Type:

- [OSP-0008: Eaton](#)
- [OSP-0023: Schneider Electric Square D](#)
- [OSP-0025: ABB](#)
- [OSP-0041: ABB](#) (*Expired after 12/31/2019*)
- [OSP-0056: MGM Transformer](#)
- [OSP-0097: Siemens](#) (*Expired after 12/31/2016*)
- [OSP-0109: Jefferson Electric](#)
- [OSP-0110: Powersmiths](#)
- [OSP-0136: Hammond](#)
- [OSP-0318: Powersmiths](#)
- [OSP-0332: Rex Power Magnetics](#) (*Expired after 12/31/2019*)
- [OSP-0443: Rypos](#)
- [OSP-0462: Teal](#)
- [OSP-0476: Getinge](#)
- [OSP-0483: Eaglerise](#)
- [OSP-0637: Schneider Electric Square D](#)
- [OSP-0652: Eaton](#)
- [OSP-0689: Hitachi Power Grids](#)

Transformers - Liquid Filled:

- [OSP-0098: Prolec GE](#) (*Expired after 12/31/2013*)
- [OSP-0115: ABB](#)
- [OSP-0121: Cooper Power Systems](#) (*Expired after 12/31/2016*)
- [OSP-0370: Pacific Crest Transformers](#) (*Expired after 12/31/2019*)
- [OSP-0399: Howard Industries](#) (*Expired after 12/31/2019*)
- [OSP-0403: GE](#)

## 14. Electrical Substations

- [OSP-0017: Eaton](#) (*Expired after 12/31/2016*)
- [OSP-0059: Square D](#)
- [OSP-0146: Square D](#) (*Expired after 12/31/2016*)
- [OSP-0441: Eaton](#) (*Cancelled*)
- [OSP-0705: Carel USA](#) (*In Review*)

## 15. UPS and Batteries

Batteries:

- [OSP-0054: Electronic Systems Support](#)
- [OSP-0088: C & C Power](#) (*Expired after 12/31/2019*)
- [OSP-0138: Power Battery](#) (*Expired after 12/31/2016*)
- [OSP-0194: Square D](#)
- [OSP-0264: Alpha Industrial Power](#) (*Expired after 12/31/2019*)
- [OSP-0274: APC](#)
- [OSP-0310: APC](#) (*Expired after 12/31/2019*)
- [OSP-0465: Termaco](#)
- [OSP-0470: Tesla](#) (*Cancelled*)
- [OSP-0485: Purcell Systems](#)
- [OSP-0534: Termaco](#)
- [OSP-0563: Schneider Electric](#)
- [OSP-0569: Berg Electric](#)
- [OSP-0597: Termaco](#)
- [OSP-0684: Eaton](#)
- [OSP-0698: Schneider Electric](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **UPS and Batteries ~ cont'd**

### Battery Chargers:

- [OSP-0131: Stored Energy Systems](#)
- OSP-0276: Alpha Industrial Power (*Expired after 12/31/2019*)
- OSP-0292: Alpha Industrial Power (*Expired after 12/31/2016*)
- OSP-0328: Alpha Industrial Power (*Expired after 12/31/2019*)
- OSP-0329: Alpha Industrial Power (*Expired after 12/31/2019*)
- [OSP-0340: La Marche](#)
- OSP-0377: Eltek (*Expired after 12/31/2019*)
- [OSP-0498: Kohler](#)

### Flywheel Energy Storage Systems

- OSP-0163: Vycon (*Expired after 12/31/2016*)
- [OSP-0440: Vycon](#)

### Lighting Inverter Systems:

- [OSP-0258: Myers Power Products](#)
- [OSP-0305: Myers Power Products](#)
- [OSP-0365: Hubbell Dual-Lite](#)
- [OSP-0496: Myers Powers Products](#)
- [OSP-0499: Crucial Power](#)
- [OSP-0500: Online Power](#)
- [OSP-0501: Perfect Power](#)
- [OSP-0536: Go2Power](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **UPS and Batteries ~ cont'd**

### UPS:

- OSP-0013: Eaton (*Expired after 12/31/2016*)
- OSP-0066: UP System (*Expired after 12/31/2013*)
- [OSP-0101: Vertiv](#)
- [OSP-0107: Mitsubishi](#)
- [OSP-0119: Toshiba](#)
- [OSP-0144: APC](#)
- [OSP-0145: APC](#)
- [OSP-0155: Eaton](#)
- [OSP-0196: APC](#)
- [OSP-0197: APC](#)
- OSP-0206: GE (*Expired after 12/31/2019*)
- [OSP-0220: APC](#)
- OSP-0228: Emerson Network Power (*Expired after 12/31/2016*)
- [OSP-0231: APC](#)
- OSP-0251: APC (*Expired after 12/31/2019*)
- [OSP-0261: APC](#)
- OSP-0262: APC (*Expired after 12/31/2016*)
- [OSP-0263: Siemens](#)
- OSP-0275: Emerson Network Power (*Expired after 12/31/2016*)
- OSP-0285: Emerson Network Power (*Expired after 12/31/2016*)
- OSP-0300: Active Power (*Expired after 12/31/2019*)
- [OSP-0315: GE](#)
- OSP-0334: Emerson Network Power (*Expired after 12/31/2019*)
- [OSP-0336: Powervar](#)
- [OSP-0337: Eaton](#)
- [OSP-0389: Schneider Electric](#)
- [OSP-0405: Eaton](#)
- [OSP-0426: Active Power](#)
- [OSP-0434: Staco Energy](#)
- [OSP-0455: Schneider](#)
- [OSP-0456: Falcon](#)
- [OSP-0467: Fuji](#)
- [OSP-0471: Toshiba](#)
- [OSP-0486: Eaton](#)
- [OSP-0487: Eaton](#)
- [OSP-0492: Fuji](#)
- [OSP-0505: Eaton](#)
- [OSP-0517: GE](#)
- [OSP-0528: Toshiba](#)
- [OSP-0529: GE](#)
- [OSP-0556: Vertiv](#)
- [OSP-0571: Vertiv](#)
- [OSP-0572: Schneider](#)
- [OSP-0578: ABB](#)
- [OSP-0579: Schneider](#)
- [OSP-0588: Socomec](#)
- [OSP-0592: Powervar](#)
- [OSP-0602: ABB](#)
- [OSP-0606: Schneider Electric](#)
- [OSP-0608: Powervar](#)
- [OSP-0629: Powervar](#)
- [OSP-0638: Vertiv](#)
- [OSP-0639: Vertiv](#)
- [OSP-0640: Vertiv](#)
- [OSP-0643: AMETEK Powervar](#)
- [OSP-0659: Online Power Inc.](#)
- [OSP-0660: Crucial Power Products](#)
- [OSP-0661: Perfect Power Systems](#)
- [OSP-0669: Schneider Electric](#)
- [OSP-0670: AMETEK Powervar](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **UPS and Batteries ~ cont'd**

UPS ~ cont'd:

- [OSP-0672: NXT Power](#)
- [OSP-0674: Vertiv \(In Review\)](#)
- [OSP-0701: Mitsubishi](#)
- [OSP-0709: Vertiv](#)
- [OSP-0720: C&C Power](#)

## **16. Panelboards**

Panelboards:

- [OSP-0009: Eaton](#)
- [OSP-0016: Schneider Electric Square D](#)
- [OSP-0040: ABB](#)
- [OSP-0058: Square D](#)
- [OSP-0064: Square D](#)
- [OSP-0078: Siemens](#)
- [OSP-0304: ABB](#)
- [OSP-0338: Eaton](#)
- [OSP-0428: Eaton](#)

Power Distribution Units (PDU):

- [OSP-0162: Teal](#)
- [OSP-0235: APC](#)
- [OSP-0351: Powersmiths \(Expired after 12/31/2019\)](#)
- [OSP-0418: RF Technologies](#)
- [OSP-0430: Teal](#)
- [OSP-0507: Spellman](#)
- [OSP-0523: CETC Ecree Power](#)
- [OSP-0707: Schneider Electric](#)

## **17. Industrial Control Panels**

Boiler Control Panels:

- [OSP-0448: Parker Boiler](#)
- [OSP-0504: Preferred Utilities](#)
- [OSP-0688: MTU](#)

Building Automation Systems:

- [OSP-0140: Johnson Controls](#)
- [OSP-0217: Siemens](#)
- [OSP-0218: Siemens](#)
- [OSP-0598: Honeywell](#)
- [OSP-0617: Advanced Mechanical Technologies](#)
- [OSP-0656: Russelectric](#)
- [OSP-0713: Schneider Electric](#)
- [OSP-0719: Rauland-Borg \(In Review\)](#)

Fuel Systems Control Panels:

- [OSP-0160: Fuel Oil Systems](#)
- [OSP-0191: In Compliance Services](#)
- [OSP-0208: Lescure](#)
- [OSP-0236: Fuel Oil Systems \(Expired after 12/31/2016\)](#)
- [OSP-0287: Earthsafe \(Expired after 12/31/2016\)](#)
- [OSP-0361: Preferred Utilities](#)
- [OSP-0424: PPPI \(Expired after 12/31/2019\)](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Industrial Control Panels ~ cont'd**

### HVAC Control Panels:

- [OSP-0055: Climatec](#)
- [OSP-0068: Syscon](#)
- [OSP-0127: L & H Airco](#)
- [OSP-0183: Emcor](#)
- [OSP-0199: Schneider Electric](#)
- [OSP-0214: Sunbelt Controls](#)
- [OSP-0226: Southland](#)
- [OSP-0252: Climatec](#)
- [OSP-0295: Emcor](#) *(Cancelled)*
- [OSP-0453: Syscon](#)
- [OSP-0552: Distech](#)
- [OSP-0583: Climatec](#)
- [OSP-0590: Frank Booth](#)
- [OSP-0633: Sunbelt Controls](#)
- [OSP-0665: Honeywell](#)
- [OSP-0683: L & H Airco](#)

### Pump Control Panels:

- [OSP-0491: Grundfos](#)
- [OSP-0508: Bryan Steam](#)

### Variable Frequency Drives (VFDs) and Starters:

- [OSP-0020: Schneider Electric Square D](#) *(Expired after 12/31/2016)*
- [OSP-0083: ABB](#) *(Expired after 12/31/2019)*
- [OSP-0087: Danfoss](#)
- [OSP-0099: Eaton](#) *(Expired after 12/31/2016)*
- [OSP-0137: Trane](#)
- [OSP-0156: Square D](#)
- [OSP-0293: Yaskawa](#)
- [OSP-0316: Danfoss](#)
- [OSP-0333: Trane](#)
- [OSP-0339: Johnson Controls](#) *(Expired after 12/31/2019)*
- [OSP-0346: Siemens](#) *(Expired after 12/31/2019)*
- [OSP-0349: SyncroFlo](#) *(Expired after 12/31/2019)*
- [OSP-0363: Danfoss](#)
- [OSP-0396: Rockwell](#) *(Expired after 12/31/2019)*
- [OSP-0411: Franklin](#)
- [OSP-0415: Toshiba](#)
- [OSP-0422: Armstrong](#)
- [OSP-0429: Eaton](#)
- [OSP-0433: Yaskawa](#)
- [OSP-0459: Siemens](#)
- [OSP-0480: Siemens](#)
- [OSP-0516: Rockwell](#)
- [OSP-0565: ABB](#)
- [OSP-0575: ABB](#)
- [OSP-0603: Danfoss](#) *(In Review)*
- [OSP-0619: Eaton](#)
- [OSP-0653: Johnson Controls](#)
- [OSP-0687: Yaskawa America](#) *(In Review)*
- [OSP-0708: Eaton](#)

## **18. Power Isolation and Correction Systems**

### Grounding Systems:

- [OSP-0177: Post Glover Resistors](#)
- [OSP-0186: Post Glover Resistors](#)
- [OSP-0345: I-Gard](#)
- [OSP-0482: Post Glover](#)
- [OSP-0706: MegaResistors](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Power Isolation and Correction Systems ~ cont'd**

Power Isolation and Correction Systems:

- [OSP-0095: Square D](#)
- [OSP-0176: Bender](#)
- [OSP-0201: Functional Devices](#)
- [OSP-0210: PG LifeLink](#)
- [OSP-0435: Controlled Power](#)
- [OSP-0436: Transtector](#)
- [OSP-0495: Powervar](#)
- [OSP-0644: Bender Incorporated](#)
- [OSP-0645: Schneider Electric](#)
- [OSP-0718: Comsys](#)
- [OSP-0722: Schneider Electric](#)

## **19. Motorized Surgical Lights**

- OSP-0241: Maquet (*Expired after 12/31/2016*)
- OSP-0350: Maquet (*Expired after 12/31/2019*)

## **20. Motorized Operating Table Systems**

- [OSP-0234: Maquet](#)
- [OSP-0410: Siemens](#)

## **21. Internal Communication Servers and Routers**

Servers & Routers:

- OSP-0003: Nortel Network (*Expired after 12/31/2012; Product Replaced*)
- OSP-0039: NEC (*Expired after 12/31/2013*)
- [OSP-0555: Cisco Systems](#)

Wireless Communication Systems:

- OSP-0294: Solid Technologies (*Expired after 12/31/2019*)
- [OSP-0550: CommScope](#)
- [OSP-0699: Stanford Healthcare and School of Medicine](#)

## **22. Medical Gas and Vacuum Systems**

Medical Air and Vacuum Systems:

- [OSP-0291: Beacon Medaes](#)
- [OSP-0322: Beacon Medaes](#)
- [OSP-0380: Powerex](#)
- [OSP-0393: Powerex](#)
- [OSP-0447: Amico](#)
- [OSP-0519: Gardner Denver](#)
- [OSP-0574: Beacon Medaes](#)
- [OSP-0605: Beacon Medaes](#)
- [OSP-0676: Gardner Denver Inc](#)
- [OSP-0717: Beacon Medaes](#)

Medical Gas Systems:

- [OSP-0200: Cryoquip](#)
- OSP-0221: Praxair (*Expired after 12/31/2016*)
- [OSP-0715: Beacon Medaes](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **23. Electrical Busways**

- [OSP-0094: Square D](#)
- [OSP-0222: Technibus](#)
- [OSP-0314: GE](#) (*Expired after 12/31/2019*)
- [OSP-0557: Universal Electric](#) (*In Review*)
- [OSP-0570: Eaton](#) (*In Review*)
- [OSP-0647: Starline Holdings LLC](#) (*In Review*)
- [OSP-0700: Siemens](#)

## **24. Electrical Control Panels on Life Safety/Critical Branch**

### Fire Alarm & Security Panels:

- [OSP-0004: Tyco](#)
- [OSP-0057: Siemens](#)
- [OSP-0065: Honeywell, Silent Knight](#)
- [OSP-0071: Honeywell, Fire-Lite](#)
- [OSP-0072: Honeywell, Notifier](#)
- [OSP-0073: Honeywell, Gamewell-FCI](#)
- [OSP-0139: Kirkland](#)
- [OSP-0154: Mircom](#)
- [OSP-0233: Hochiki](#)
- [OSP-0246: Edwards](#)
- [OSP-0265: Siemens](#)
- [OSP-0273: Siemens](#)
- [OSP-0286: Kidde Fenwal](#)
- [OSP-0420: Siemens](#)
- [OSP-0425: Johnson Controls](#)
- [OSP-0438: Potter Signal](#) (*Formerly Harrington*)
- [OSP-0508: Bryan Steam](#)
- [OSP-0584: Potter Signal](#)
- [OSP-0604: Honeywell](#) (*Cancelled*)

### Fire Protection & Security Panels:

- [OSP-0031: Edwards](#)
- [OSP-0077: Fike](#)
- [OSP-0104: Fireflex](#) (*Expired after 12/31/2016*)
- [OSP-0112: Siemens](#)
- [OSP-0158: ASCO](#)
- [OSP-0341: Fireflex](#) (*Expired after 12/31/2019*)
- [OSP-0342: Fireflex](#) (*Expired after 12/31/2019*)
- [OSP-0348: Reliable Automatic Sprinkler](#)
- [OSP-0454: Tornatech](#)
- [OSP-0524: Xtrailis](#)
- [OSP-0600: Tyco](#)
- [OSP-0635: Firetrol](#)
- [OSP-0642: Fireflex](#)
- [OSP-0692: FireFlex](#)

### Lighting Control Panels:

- [OSP-0091: Acuity Brands Controls](#)
- [OSP-0134: Philips](#) (*Expired after 12/31/2016*)
- [OSP-0164: Philips](#) (*Expired after 12/31/2016*)
- [OSP-0202: Steris](#)
- [OSP-0215: Lutron Electronics](#)
- [OSP-0257: WattStopper](#)
- [OSP-0427: Philips](#)
- [OSP-0458: Crestron](#)
- [OSP-0577: Acuity Brands Controls](#)

### Medical System Control Panels

- [OSP-0457: Bevco](#)
- [OSP-0525: SKTtransformer](#)

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# **HCAI Special Seismic Certification Preapproval (OSP) by Category**

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## **Electrical Control Panels on Life Safety/Critical Branch ~ cont'd**

### Nurse Call Systems:

- OSP-0067: Rauland-Borg (*Expired after 12/31/2016*)
- [OSP-0132: West-Com](#)
- [OSP-0179: Hill-Rom](#)
- [OSP-0198: Jeron Electronic Systems](#)
- [OSP-0207: Ascom –](#)
- [OSP-0288: Critical Alert](#)
- [OSP-0306: BergElectric](#)
- OSP-0312: Tek Tone (*Expired after 12/31/2019*)
- [OSP-0362: Rauland-Borg](#)
- [OSP-0615: Best Healthcare](#)

## **25. Other**

### Biological Safety Cabinets:

- OSP-0247: Baker (*Cancelled*)

### IV Fluid Warmers:

- OSP-0284: Entermics Medical Solutions (*Expired after 12/31/2016*)

### High-Capacity Ultrafiltration (HUF) systems:

- [OSP-0677: Water Control Corporation](#)

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